

Abstract of the Invention

The invention provides methods of forcing
5 recombination between polynucleotides. The methods can
include the steps of, (a) generating a single strand of a
first polynucleotide; (b) generating a single strand of a
second polynucleotide, wherein the second polynucleotide
is partially complementary to the first polynucleotide;
10 (c) fragmenting the single strand of the first
polynucleotide to generate single stranded first
polynucleotide fragments; (d) fragmenting the single
strand of the second polynucleotide to generate single
stranded second polynucleotide fragments; (e) annealing
15 the single stranded first polynucleotide fragments with
the single stranded second polynucleotide fragments; and
(f) extending the annealed polynucleotide fragments.